IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. Serial No.: 10/623,189 Confirmation No.: 3581

Patent No.: 7,183,254 B2 TC/A.U.: 1646

Inventors: Alexander De Paoli, et al. Examiner: O'Hara, Eileen B.

Filed: July 18, 2003

Title: USE OF LEPTIN FOR TREATING HUMAN LIPOATROPHY AND METHOD OF DETERMINING

PREDISPOSITION TO SAID TREATMENT

Request for Certificate of Correction Under 37 C.F.R. § 1.323

Attention: Certificate of Correction Branch

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.323, Patentee hereby requests that a Certificate of Correction be issued to correct errors in the claims for the above-identified patent. Patentee notes that the correction requested herein is necessitated as a result of Applicant error. Specifically, two coassignees or record were inadvertently, and without deceptive intent, omitted from the issue fee transmittal form that was completed and filed in order to effect payment of the issue and issuance of the above identified case.

In support of this Request for Certificate of Correction Under 37 C.F.R. § 1.323, Applicant submits copies of the following Documents as evidence:

Patent Assignment Abstract of Title printed from USPTO website March 12,
 2008, indicating that the following entities have been recorded co-assignees of the above-identified issued US Patent, and that each executed assignment has been

CERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. 1.10 OR TRANSMISSION UNDER 37 C.F.R. 1.8

I hereby certify that this paper (along with anything referred to as being attached or enclosed) is being electronically filed with the USPTO via the USPTO EFS-Web electronic filing system on the date shown below.

March 12, 2008	Michael D. Ruse, Jr.
Date of Deposit	Signature of Person Mailing Paper
	Michael D. Ruse. Jr.
	Name of Person Mailing Paper

U.S. Patent No. 7,208,577 B2 Atty Docket No.: 1304US-CON4 Request for Certificate of Correction

accorded a valid reel and frame number: The Government of the United States of America, as represented by the Secretary, Department of Health and Human Services, reel and frame number 017036/0674; Board of Regents, The University of Texas System, reel and frame number 017036/0693; and Amgen Inc., reel and frame number 017036/00640;

- 2. Copy of Issue Fee Transmittal (PTOL-85) mailed November 29, 2006, indicating only Amgen Inc. as assignee; and
- 3. Copy of cover page of U.S. Patent No. 7,208,577, indicating only Amgen, Inc. as assignee in Item (73).

Therefore, because, ownership of the above-identified issued US Patent has been properly recorded by the United States Patent and Trademark Office as evidenced by the valid reel and frame numbers which correspond to fully executed assignments to each respective assignee, the omission of The Government of the United States of America, as represented by the Secretary, Department of Health and Human Services, and the Board of Regents, The University of Texas System from item (73) on the cover page of the subject Patent is in error and should be corrected. Therefore, Applicant respectfully requests the issuance of the Certificate of Correction as submitted herewith. Because the omission of The Government of the United States of America, as represented by the Secretary, Department of Health and Human Services, and the Board of Regents, The University of Texas System from item (73) resulted from Applicant's inadvertent failure to indicate these entities as co-assignees on the Issue Fee Transmittal form that was filed in the above-identified case, the error constitutes an error on the part of Applicant. Accordingly, Applicant herewith provides the associated fee as required under 37 C.F.R. § 1.20(a).

U.S. Patent No. 7,208,577 B2 Atty Docket No.: 1304US-CON4 Request for Certificate of Correction

Additionally, if any other fees should become due in connection with this submission the commissioner is hereby authorized to charge any fee deficiency, and/or credit any overpayment, to Deposit Account No. 010535, referencing docket number 1311US-CON.

Respectfully submitted,

AMYLIN PHARMACEUTICALS, INC.

Date: March 12, 2008 /Michael D. Ruse, Jr./

Michael D. Ruse, Jr. Registration No. 55,900

AMYLIN PHARMACEUTICALS, INC.

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 7,183,254 B2	Page <u>1</u> of <u>1</u>
APPLICATION NO.: 10/623,189	
ISSUE DATE : February 27, 2007	
INVENTOR(S) : Alexander M. DePaoli; Simeor	n I. TAYLOR; Elif A. ORAL; Abhimanyu GARG
It is certified that an error appears or errors is hereby corrected as shown below:	appear in the above-identified patent and that said Letters Patent
At Item (73) Assignee:, please insert the followi	ng:
The Government of the United States of Americ Human Services, Rockville, MD (US);	ea, as represented by the Secretary, Department of Health and
Board of Regents, The University of Texas Sys	tem, Austin, TX (US)

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Patent Assignment Abstract of Title

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Total Assignments: 4

Patent #: 7183254

Issue Dt: 02/27/2007

Application #: 10623189

Filing Dt: 07/18/2003

Publication #: 20050020496

Pub Dt: 01/27/2005

Inventors: Alexander M. DePaoli, Elif A. Oral, Simeon I. Taylor, Abhimanyu Garg

Title: USE OF LEPTIN FOR TREATING HUMAN LIPOATROPHY AND METHOD OF DETERMINING PREDISPOSITION TO SAID TREATMENT

Assignment: 1

Reel/Frame: 017036/0674

Recorded: 01/19/2006

Pages: 6

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: TAYLOR, SIMEON I.

Exec Dt: 07/11/2004

ORAL, ELIF A.

Exec Dt: 07/15/2004

Assignee: THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND

HUMAN SERVICES

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SUITE 325

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SEATTLE, WA 98111-1208

Assignment: 2

Reel/Frame: 017036/0693

Recorded: 01/19/2006

Pages: 2

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: GARG, ABHIMANYU

Assignee: BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM

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Assignment: 3

Reel/Frame: 016925/0387

Recorded: 10/21/2005

Pages: 9

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: DEPAOLI, ALEX M.

TAYLOR, SIMEON I.

Exec Dt: 04/26/2005 Exec Dt: 07/11/2004

Exec Dt: 09/20/2004

ORAL, ELIF A.

Exec Dt: 07/15/2004

GARG, ABHIMANYU

Exec Dt: 09/20/2004

Assignees: AMGEN INC.

ONE AMGEN CENTER DRIVE

LAW DEPARTMENT

THOUSAND OAKS, CALIFORNIA 91320-1799

GOVERNMENT OF THE UNITED STATES OF AMERICA DEPARTMENT OF HEALTH AND HUMAN SERVICES, THE

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NATIONAL INSTITUTES OF HEALTH, OFFICE OF TECHNOLOGY TRANSFER

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BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM

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Correspondent: PERKINS COIE LLP

POST OFFICE BOX 1208 SEATTLE, WA 98111-1208

Assignment: 4

Conveyance: CORRECTIVE ASSIGNMENT TO REMOVE THREE CONVEYING PARTY NAMES, AND TO REMOVE TWO RECEIVING PARTY NAMES AND ADDRESSES AND TO CORRECT THE UNDERLYING ASSIGNMENT DOCUMENT PREVIOUSLY RECORDED AT REEL 016925, FRAME 0387.

Assignor: DEPAOLI, ALEX M.

Exec Dt: 04/26/2005

Assignee: AMGEN INC.

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THOUSAND OAKS, CALIFORNIA 91320-1799

Correspondent: LAUREN SLIGER

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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORN	EY DOCKET NO.	CONFIRMATION NO.
10/623,189	07/18/2003		Alexander M. DePaoli	S.	5411	3.8005.US02	3581
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APPLN. TYPE	SMALL ENTITY	ISSUE FRE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE 1	FOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0		\$1700	11/29/2006
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(12) United States Patent

DePaoli et al.

(10) Patent No.:

US 7,183,254 B2

(45) Date of Patent:

Feb. 27, 2007

(54)	USE OF LEPTIN FOR TREATING HUMAN
	LIPOATROPHY AND METHOD OF
	DETERMINING PREDISPOSITION TO SAID
	TREATMENT

(75)	Inventors:	Alexander M. DePaoli, Santa Barbara,
		CA (US); Simeon I. Taylor, Skillman,
		NJ (US); Elif A. Oral, Ann Arbor, MI
		(US); Abhimanyu Garg, Dallas, TX
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1	(73)	Assignee:	Amgen.	Inc.	Thousand	Oaks	CA	(LIS	١
	(IJ)	Assignee.	Amgen,	иис.,	Tilousanu	Oaks,	CA	(UD	,

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 284 days.

(21) Appl. No.: 10/623,189

(22)Filed: Jul. 18, 2003

(65)**Prior Publication Data**

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Related U.S. Application Data

- (63) Continuation of application No. 10/279,129, filed on Oct. 22, 2002, now abandoned.
- Provisional application No. 60/336,394, filed on Oct. 22, 2001.

(51)	Int. Cl.	
	A61K 38/00	(2006.01)
	A61K 38/16	(2006.01)
	C07K 14/00	(2006.01)

(56)

(52) **U.S. Cl.** **514/12**; 424/184.1; 424/198.1;

Field of Classification Search None See application file for complete search history.

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(Continued)

Primary Examiner-Eileen B. O'Hara (74) Attorney, Agent, or Firm-Amylin Pharmaceuticals, Inc.

ABSTRACT (57)

Leptin, leptin analogs, and leptin derivatives are used to treat patients with lipoatrophy Leptin is effective against conditions of lipoatrophy for both genetic and acquired forms of the disease. A therapeutically effective amount of leptin can be administered in a variety of ways, including subcutaneously and using gene therapy methods. Methods of the present invention contemplate administration of leptin, leptin analogs, and leptin derivatives to patients having a leptin level of approximately 4 ng/ml or less before treatment.

30 Claims, 6 Drawing Sheets